



## PATENT ABSTRACTS OF JAPAN

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## (54) NOX REDUCING METHOD

## (57) Abstract:

PURPOSE: To achieve the catalytic decomposition of  $\text{NO}_x$  by bringing a catalyst formed by supporting a platinum group element by perovskite type composite oxide into contact with  $\text{NO}_x$ -containing gas at 800W1,000°C under an inert atmosphere.

CONSTITUTION: 0.1wt% or more of platinum and 0.1wt%

or more of cobalt are supported by perovskite type composite oxid represented by  $\text{ABO}_3$  (wherein an A-site is La or Sr and a B-site is Fe, Co or Mn) to obtain a catalyst. This catalyst is brought into contact with  $\text{NO}_x$ -containing gas at 800W1,000°C under an inert atmosphere or a reductive atmosphere. By this method, the reduction of  $\text{NO}_x$  is achieved.

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